

Docket No. 248861US2S



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Ryu OGIWARA

SERIAL NO: 10/777,756

GAU: 2818

FILED: February 13, 2004

EXAMINER: NGUYEN, THINH T.

FOR: PHASE-CHANGE MEMORY DEVICE USING CHALCOGENIDE COMPOUND AS THE MATERIAL OF MEMORY CELLS

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references cited in the attached Japanese Office Action with English translation and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☒ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

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Limited Recognition L0037



SHEET 1 OF 1

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 248861US2S		SERIAL NO. 10/777,756	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Ryu OGIWARA			
				FILING DATE February 13, 2004		GROUP 2818	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	2003/0001242 A1	01/02/03	Tyler A. LOWREY, et al.			
	AB	2003/0185047 A1	10/02/03	Osama KHOURI, et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	2003-229537	08/15/03	Japan			X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ						<input type="checkbox"/> Additional References sheet(s) attached
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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OSMM&N File No. 248861US2S

Dept.: E/M

By: EHK/RFF/scm

Serial No. 10/777,756

In the matter of the Application of: Ryu OGIWARA

For: PHASE-CHANGE MEMORY DEVICE USING CHALCOGENIDE  
COMPOUND AS THE MATERIAL OF MEMORY CELLS

✓ Due Date: 01/05/06

The following has been received in the U.S. Patent Office on the date stamped hereon

✓ ☒ Credit Card Form for \$180.00

☐ Dep. Acct. Order Form

☐ Information Disclosure Statement

☐ PTO-1449

☐ Cited References 1

☐ Japanese Office Action with English Translation

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